



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

XIAO CHEN, ET AL.

Application Number: 09/616,457

Filed: July 14, 2000

Title: METHOD FOR PROVIDING A  
PROCESS MODEL FOR A MATERIAL IN  
A MANUFACTURING PROCESS

Attorney Docket No.: 99-464

) Group Art Unit: 2125

) Examiner: Sheela S. Rao

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Technology Center 2100

Peoria, Illinois 61629-6490

September 27, 2004

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with 37 C.F.R. §§ 1.56, 1.97, and 1.98, applicants respectfully request consideration of the references listed on the attached form PTO/SB/08.

Applicants respectfully request that the Examiner consider the references cited on the attached form PTO/SB/08 and that the Examiner indicate that the references have been considered in this application by returning a copy of the form PTO/SB/08 with the Examiner's initials in the left column and signature at the bottom, per MPEP § 609.

Pursuant to 37 C.F.R. § 1.97(c)(2), a fee in the amount \$180 as set forth in § 1.17(p) can be withdrawn from the undersigned's deposit account no. 03-1129 as indicated on the attached fee sheet.

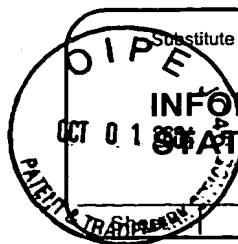
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Respectfully submitted,

Andrew J. Ririe  
Registration No. 45,597  
Caterpillar Inc.

Telephone: (309) 636-1974  
Facsimile: (309) 675-1236

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Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

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**Complete if Known**

<b>Application Number</b>	09/616,457
<b>Filing Date</b>	07/14/2000
<b>First Named Inventor</b>	Xiao Chen ET AL.
<b>Art Unit</b>	2125
<b>Examiner Name</b>	Sheela S. Rao
<b>Attorney Docket Number</b>	99-464

## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
		US- 20020019726A1	2-14-2002	Crilly et al.	
		US- 20020134816A1	9-26-2002	Chen et al.	
		US- 20040122550A1	6-24-2004	Klimko et al.	
		US- 5,750,957	5-12-1998	Kilty et al.	
		US- 5,796,617	8-18-1998	St. Ville	
		US- 6,023,637	2-8-2000	Liu et al.	
		US- 6,024,273	2-15-2000	Ludewig et al.	
		US- 6,184,491	2-6-2001	Crane et al.	
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		US- 6,263,252	7-17-2001	St. Ville	
		US- 6,270,599	8-7-2001	Wood	
		US- 6,295,513	9-25-2001	Thackston	
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		US- 6,398,102	6-4-2002	Cao et al.	
		US- 6,424,879	7-23-2002	Chilese et al.	
		US- 6,618,694	9-9-2003	Shibuya et al.	
		US- 6,627,841	9-30-2003	Chen et al.	
		US- 6,768,974	7-27-2004	Nanjundan et al.	
		US- 6,789,051	9-7-2004	Chen et al.	

**FOREIGN PATENT DOCUMENTS**

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Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	09/616,457
				Filing Date	07/14/2000
				First Named Inventor	Xiao Chen ET AL.
				Art Unit	2125
				Examiner Name	Sheela S. Rao
				Attorney Docket Number	99-464
Sheet	2	of	3		

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Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
		US- 4,475,963	10-9-1984	Takahashi et al.	
		US- 4,596,917	6-24-1986	Nied et al.	
		US- 4,998,663	3-12-1991	Cakmak et al.	
		US- 5,033,014	7-16-1991	Carver et al.	
		US- 5,202,837	4-13-1993	Coe et al.	
		US- 5,304,774	4-19-1994	Durheim	
		US- 5,521,354	5-28-1996	Ludewig et al.	
		US- 5,552,575	9-3-1996	Doumanidis	
		US- 5,581,489	12-3-1996	Groothuis et al.	
		US- 5,729,345	3-17-1998	Ludewig et al.	
		US- 5,746,861	5-5-1998	Mandon	
		US- 5,751,582	5-12-1998	Mozumder et al.	
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FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				

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				Art Unit	2125
				Examiner Name	Sheela S. Rao
Sheet	3	of	3	Attorney Docket Number	99-464

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NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		"Thermomechanical simulation of underwater welding processes", J. Ronda et al., Applied Mechanics, 1992, 13 pages.	
		"Recent development and applications of three-dimensional finite element modeling in bulk forming processes", G. Li et al., Journal of Materials Processing Technology, 2001, PAGES 40-45.	
		"Influence of Residual Stresses and Weld Repairs on Pipe Fracture", F.W. Brust et al., Approximate Methods in the Design and Analysis of Pressure Vessels and Piping Components, ASME, 1997, pages 173 - 191.	
		"Modeling of weld residual stresses in core shroud structures", J. Zhang et al., Nuclear Engineering and Design, 2000, pages 171-187.	
		"Numerical Welding Simulation of Two Pipes / Determination of the Evolution of Residual Stresses During Proof Test Pressure", J.J. Janosch et al., PVP-Vol. 147, Approximate Methods in the Design and Analysis of Pressure Vessels and Piping Components, ASME, 1997, pages 103-113.	

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